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detecting a predetermined signal among the read data;
determining a current recording speed based on the predetermined
signal;
comparing the determined recording speed with a predetermined speed;
and
changing the recording mode between CAV and CLV according to the
result of the comparing step.

B2
2. (Amended) The method set forth in claim 1, wherein said
predetermined signal is a sync signal contained in the encoded data.

3. (Amended) The method set forth in claim 1, wherein said detecting
step detects a period of the predetermined signal.

B3
4. (Twice Amended) A method of changing a recording mode between
CAV (Constant Angular Velocity) and CLV (Constant Linear Velocity),
comprising the steps of:

- (a) recording input data to an installed recording medium in CAV mode;
 - (b) measuring the frequency of a low-frequency component of a wobble
signal, which is generated during said recording input data, said wobble signal
being formed along a spiral physical track;
 - (c) comparing the measured frequency with a predetermined frequency;
- and

B3
(d) determining when to change the recording mode to CLV based on the comparing step.

(e) changing the recording mode from CAV to CLV based on the comparing step.

B4
8. (Amended) A method of changing a rotating mode for recording between CAV (Constant Angular Velocity) and CLV (Constant Linear Velocity), comprising the steps of:

recording input data on a recording medium in CAV mode;
measuring a recording speed of input data on said recording medium;
comparing the recording speed with a threshold speed, wherein the threshold speed is determined by a stable encoding speed of an encoder or properties of the recording medium; and
changing the rotating mode for recording between CAV and CLV according to the result of the comparing step.